



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION  
AUGUSTA, MAINE  
04333-0016

JOHN ELIAS BALDACCIO  
GOVERNOR

DAVID A. COLE  
COMMISSIONER

March 11, 2004  
Subject: Whitneyville  
Project No. STP-8960(00)X  
PIN 8960.00  
**Bid Amendment No. 1**

Dear Sir/Ms.:

Please make the following changes to your bid package:

Add the attached "Special Provision Section 107 Time (Supplemental Liquidated Damages for Fabrication Time)" dated March 2, 2004, one page.

Add the attached "Special Provision Section 502 Structural Concrete (QC/QA Acceptance Methods)" dated March 2, 2004, one page.

Please make the following changes to the plan sheets:

Delete Plan Sheets No. 8 of 25, 14 of 25, and 17 through 24, ten sheets total and replace with the attached Plan Sheets No. 8, 14, and 17 through 24 ten sheets total with a revision date of March 10, 2004.

Consider these changes prior to submitting your bid on March 17, 2004.

Sincerely,

*for Diane Barnes*

Scott Bickford  
Contracts & Specifications Engineer



PRINTED ON RECYCLED PAPER

SPECIAL PROVISION  
SECTION 107  
TIME  
(Supplemental Liquidated Damages for Fabrication Time)

107.8.1 Fabrication Time

The Department has budgeted for the following amounts of continuous fabrication/shop inspection for certain Work component:

<u>Element</u>	<u>Time</u>	<u>Supplemental LD</u>
1) Prestressed Concrete Superstructure Slabs	21 calendar days	\$500 per calendar days

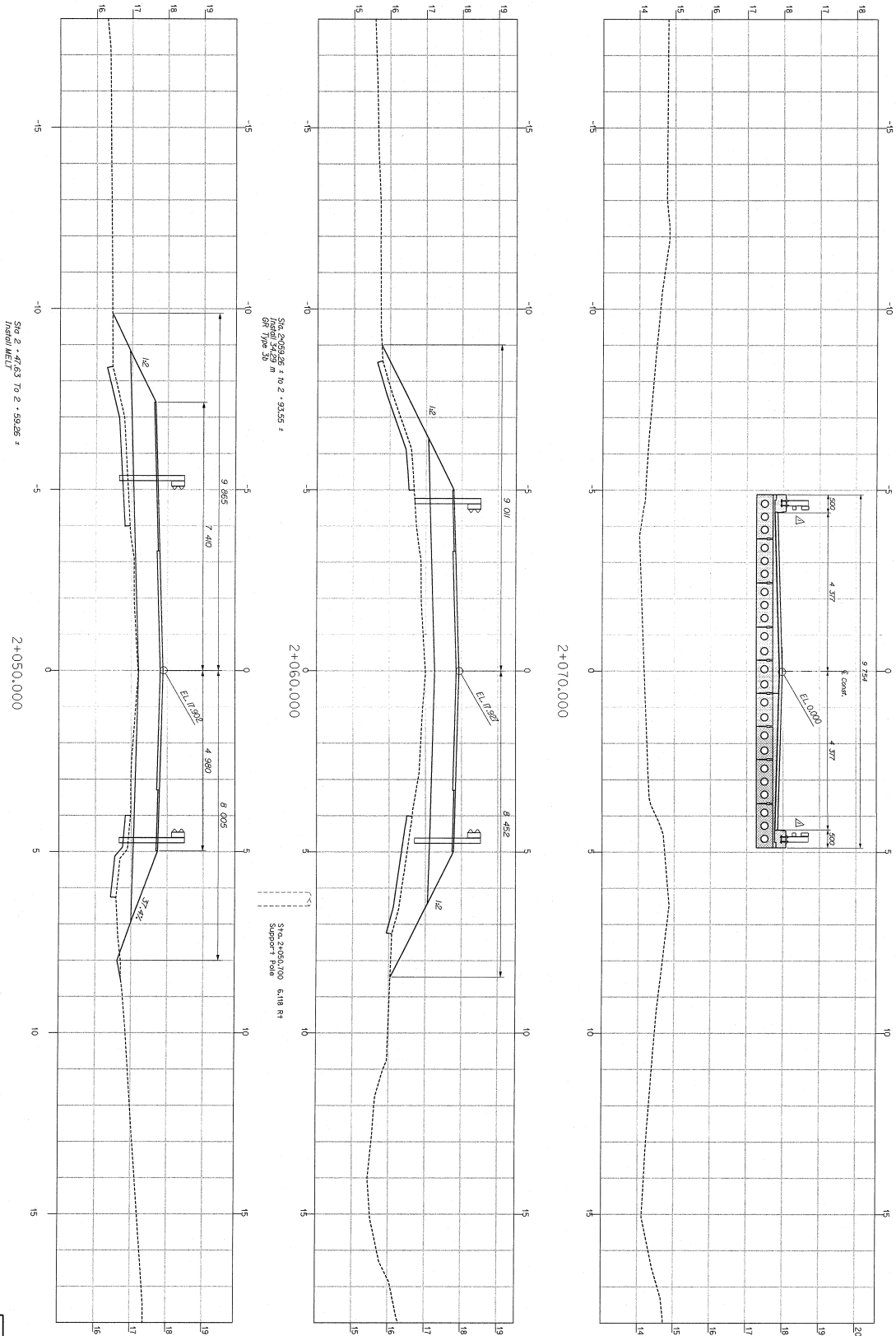
The contractor is responsible for requiring their fabricators and suppliers to produce these products for the Work continuously until finished, including any needed actions to correct unacceptable workmanship or materials. If the Department determines that the shop inspection beyond these times is required, then the corresponding Supplemental Liquidated Damages will be deducted as they occur from amounts otherwise due the Contractor. The Contractor will be notified by the Department when these times begin and when the allotted time will expire.

SPECIAL PROVISION  
SECTION 502  
STRUCTURAL CONCRETE  
(QC/QA Acceptance Methods)

CONCRETE CLASS	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.21	Structural Concrete Abutment and Retaining Walls	\$600	A
A	502.25	Structural Concrete Superstructure Slab	\$600	A
LP	502.49	Structural Concrete Curb	\$600	B

P values listed above reflect the price per cubic meter for all pay adjustment purposes.

PROJECT DESIGN ENGINEER		BY		DATE
PLANS	DESIGN-DETAILED	Asif Iqbal	Gary Keene	
	CHECKED			
	REVISIONS			
	FIELD CHANGES			



**METRIC**

1. All dimensions are in millimeters unless otherwise noted.  
2. All elevations and stations are in meters.

PAPER REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	STP-8960(00)X	8	25

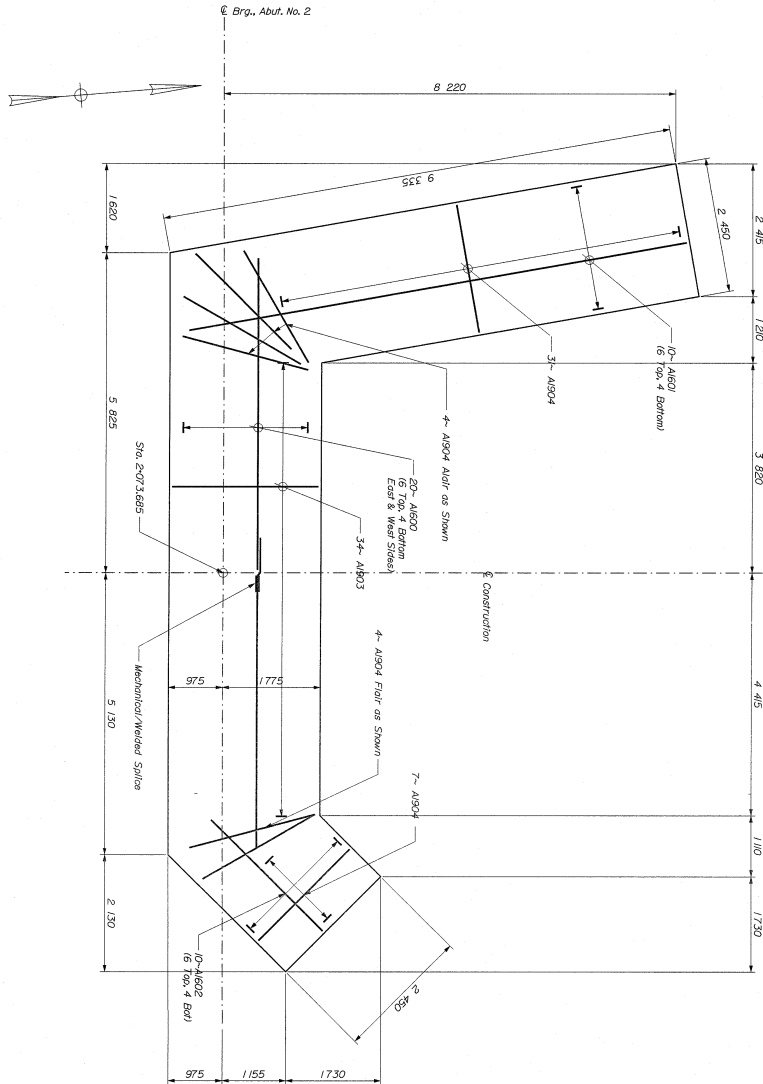
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WHITNEYVILLE

REVISIONS  
 Δ Rev. Mar. 10, 2004  
 U.S. ROUTE 1

STA. 2+050 TO STA. 2+069

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	Asif Iqbal	Gary Kene
CHECKED		
REVISIONS		
FIELD CHANGES		



**METRIC** 1. All dimensions are in millimeters unless otherwise noted.  
2. All elevations and stations are in meters.

DATE	BY	REVISION	DATE	BY	REVISION
11	1	1	11	1	1

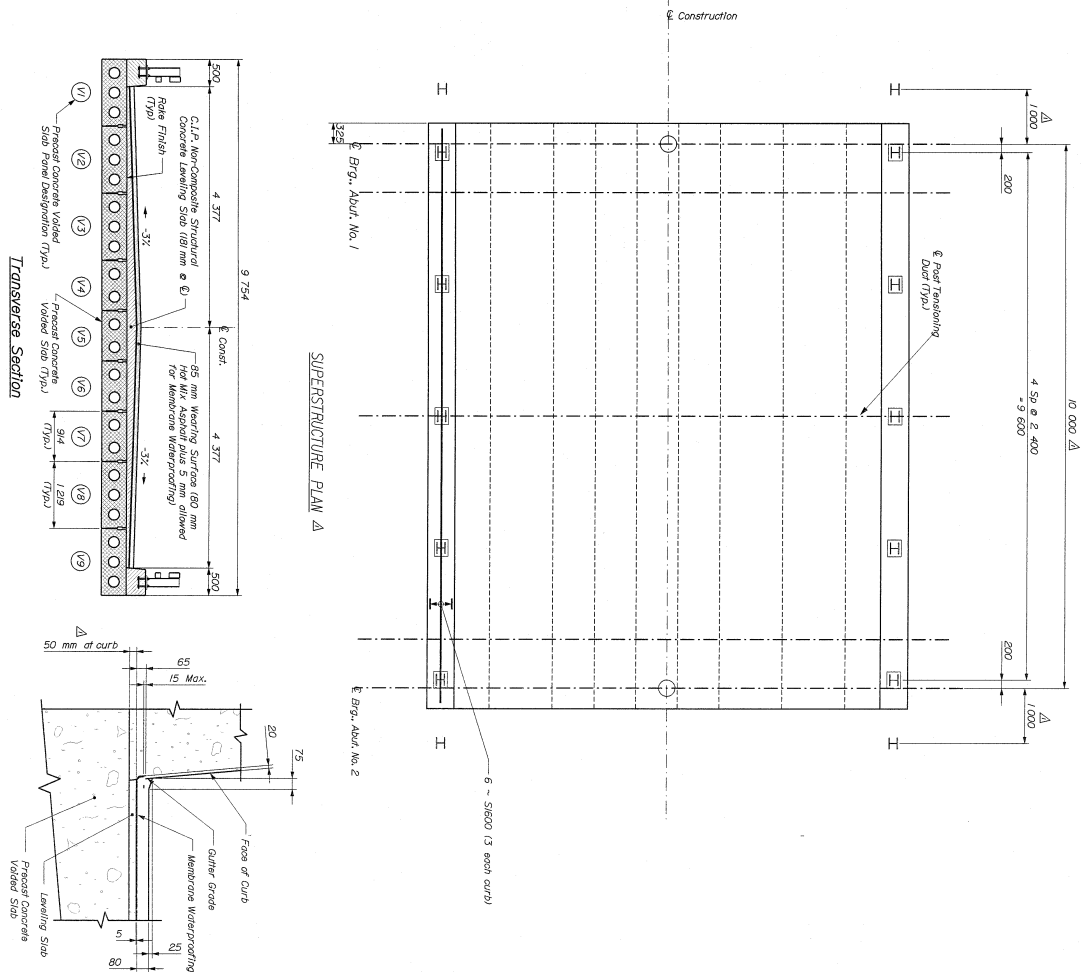
#### ABUTMENT NOTES

1. Reinforcing steel shall have 50 mm cover in the walls and 75 mm cover in the footings unless otherwise noted.
2. Cover joints in accordance with Standard Detail 502(01) where water stops are not required.
3. Place 100 mm diameter drains in breastwall and wings of XX mm maximum spacing. Exact location to be determined by the Resident.
4. Construct French drains behind the abutments and wings in accordance with Standard Specification Section 512, French Drains.
5. Structural Earth Excavation, Abutments and Retaining Walls, retained below Elevation XX will be paid for at 1.5 times the contract unit price for Item 226.082, Structural Earth Excavation.
6. Abutments and wings shall be backfilled with granular borrow. Pay limits will be the structural excavation limits in cut areas and a vertical plane located 3 m behind the walls in fill areas.
7. Maximum calculated footing pressure is 633 kPa.
8. Footings shall be a minimum of 600 mm thick. If the footing thickness exceeds 1500 mm, notify Construction Manager before proceeding with the drilled work.
9. The foundation bearing areas should be approximately level, slightly battered or serrated. Large shall be battered if slope exceeds 4:1 perpendicular to the face of the wing and breastwall. Any irregularities in the existing bearing surface or underlying concrete to the bearing elevation. Footings may be stepped to occur for varying depths to ledge along the centerline of bearing. Steps should be excavated to the full depth and exposed. The bearing surface should be free of loose soil, pocket holes, and debris prior to constructing the footings.

BRIDGE NO. 221  
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
DAN HILL BRIDGE  
OVER  
DAN HILL STREAM  
IN THE TOWN OF  
WHITNEYVILLE  
WASHINGTON COUNTY  
ABUT. NO. 2 FOOTING

SHEET OF  
AS NOTED

PROJECT DESIGN ENGINEER		BY		DATE
PLANS	DESIGN-DETAILED	Asif Iqbal	Gary Keene	
	CHECKED			
	REVISIONS			
	FIELD CHANGES			



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## PRESTRESSED SLAB NOTES

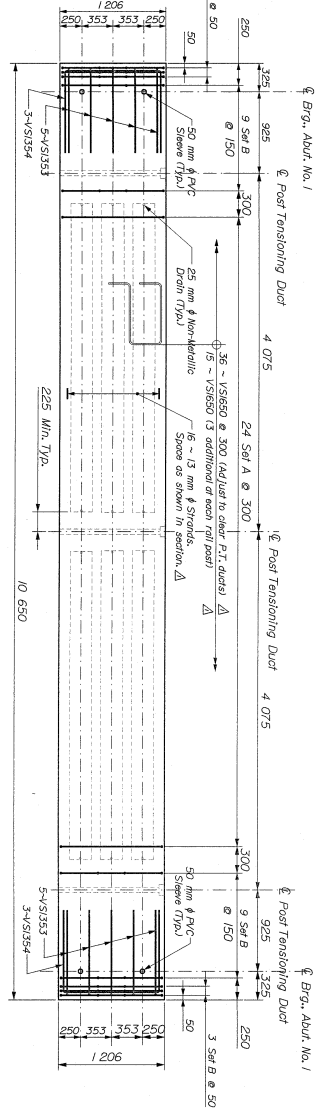
1. The minimum 28 day compressive strength shall be 45 MPa.
2. No prestress shall be transferred to the concrete until it has obtained a compressive strength of at least 50 MPa.
3. All prestressing strands shall be 12.7 mm diameter AASFTO A4203 (ASTM A466) Grade 1860 low relaxation strands.
4. Tensioning of prestressing strands shall be done in accordance with Supplemental Specifications Section 5.55. The jacking force applied to the prestressing strands shall be 328 kN.
5. Install a 25 mm diameter non-metallic drain in the bottom of each hole at the ends.
6. Longitudinal slab panel directions are horizontal.
7. The top surface of the precast voided slabs shall be intentionally roughened with a raked finish (5mm max. depth).
8. The drilling of holes in the prestressed beams and the use of power cut-out tools on the beams will not be permitted.

## POST-TENSIONING NOTES

1. After all beams have been attached, tension each transverse tie to 22 kN.
2. Fill all bays with an M20-aggregate non-shrink grout. If the bays are not filled with the dogs after the beams are erected, the contractor shall cover and protect the bays from the weather and debris until they are filled.
3. After the mortar has cured, tension each transverse tie to 125 kN. No traffic or heavy equipment will be permitted on the beams until all ties have been properly tensioned.
4. Post tensioning strands shall be covered by a seamless polyethylene sheath for the full length of the strand except at the anchorage location. There shall be a corrosion inhibiting grease between the strand and sheath.
5. The nonshrink grout used for the exterior pockets shall be of the same color and texture as the voided slab concrete.
6. Eliminated after Erection Table.

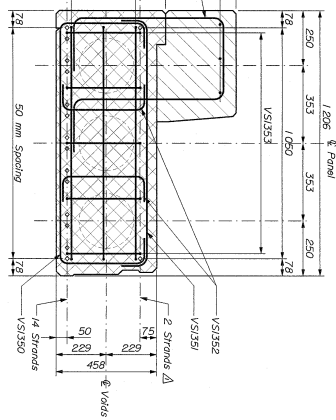
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
DAN HILL BRIDGE	
DAN HILL STREAM	
IN THE TOWN OF WHITNEYVILLE	
WASHINGTON COUNTY	
PLAN	
REVISIONS	
SHEET 1 OF 1	
APPROVED	

PLANS	CHECKED			
	REVISIONS			
	FIELD CHANGES			

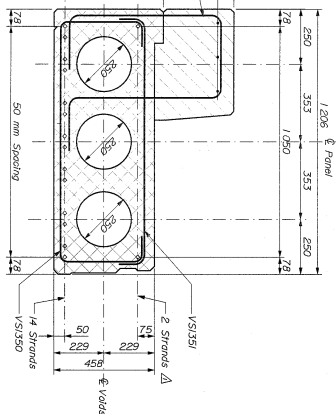


CONCRETE VOIDED SLAB  
PANEL VI PLAN

REINFORCING STEEL SETS	
SET	DESCRIPTION
A	1-V/S1350, 1-V/S1351
B	1-V/S1350, 1-V/S1351, 2-V/S1352



END-SPAN SECTION  
PANELS VI



ICAL SECTION  
PANEL VI

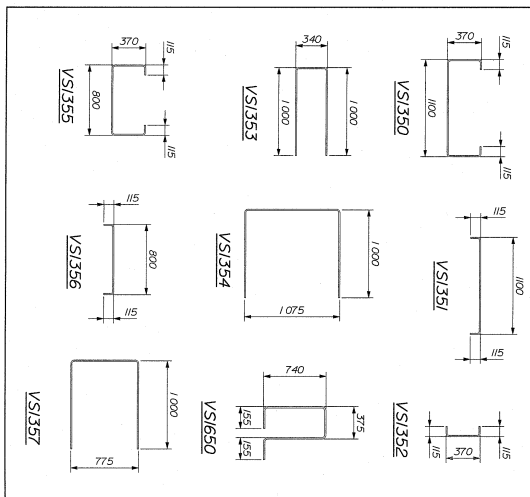
**METRIC**

1. All dimensions are in millimeters unless otherwise noted  
2. All elevations and stations are in meters.

008960.00

Weight	Beam	Length	Far beam	Total Count
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VS1562	V15.62	2 075	32	312
VS1564	V15.64	2 075	32	312
VS1566	V15.66	2 075	32	312
VS1568	V15.68	2 075	32	312
VS1570	V15.70	2 075	32	312
VS1572	V15.72	2 075	32	312
VS1574	V15.74	2 075	32	312
VS1576	V15.76	2 075	32	312
VS1578	V15.78	2 075	32	312
VS1580	V15.80	2 075	32	312
VS1582	V15.82	2 075	32	312
VS1584	V15.84	2 075	32	312
VS1586	V15.86	2 075	32	312
VS1588	V15.88	2 075	32	312
VS1590	V15.90	2 075	32	312
VS1592	V15.92	2 075	32	312
VS1594	V15.94	2 075	32	312
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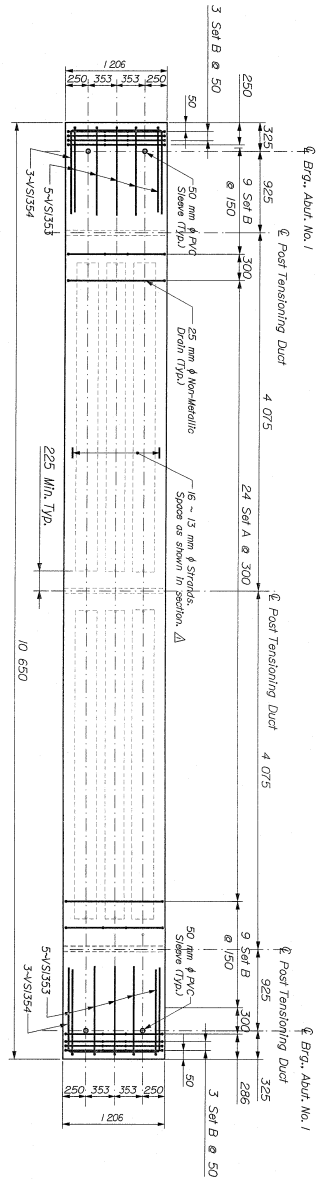
### Precast Rebar Schedule



*First digit(s) following the letter of the mark indicates size of the reinforcement.*

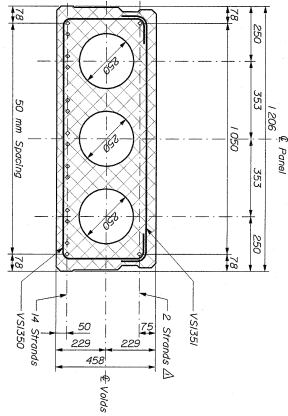
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
<p>DAN HILL BRIDGE</p> <p>OVER</p> <p>DAN HILL STREAM</p> <p>WINNEVILLE</p> <p>WASHINGTON COUNTY</p> <p>PRECAST VOIDED SLAB</p>	
REVISIONS	
<p>Δ May, Mar. &amp; 2004</p>	
SHEET	OF
DESIGNED BY	

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	Asif Iqbal	Gary Keene
CHECKED		
REVISIONS		
FIELD CHANGES		

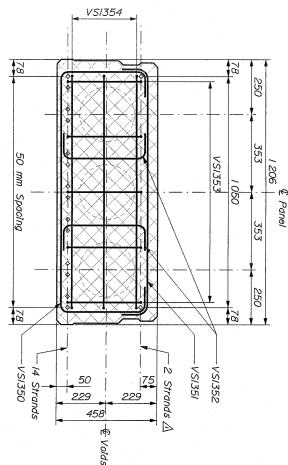


SET	DESCRIPTION
A	4-#3050, 4-#350
B	4-#3050, 4-#350, 2-#350

PRECAST CONCRETE VOIDED SLAB  
PANEL V2, V3, PLAN



TYPICAL SECTION  
PANELS V2 & V3



TYPICAL END-SPAN SECTION  
PANELS V2 & V3

METRIC 1. All dimensions are in millimeters unless otherwise noted.  
2. All elevations and stations are in meters.

REV	DATE	BY	CHKD	APP'D	REVISION
1					

REVISIONS
Δ Rev. Mar 10, 2004

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
DAN HILL BRIDGE  
OVER  
DAN HILL STREAM  
IN THE TOWN OF  
WHITNEYVILLE  
WASHINGTON COUNTY  
PRECAST VOIDED SLAB

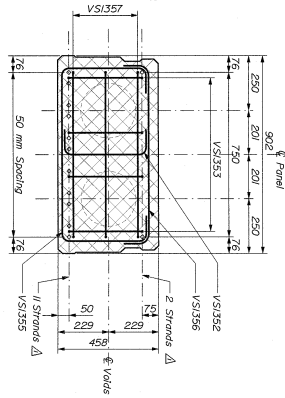
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SHEET 01 OF 01



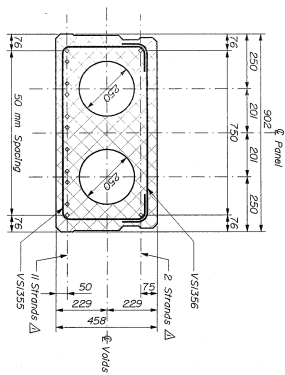
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	Asif Iqbal	
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

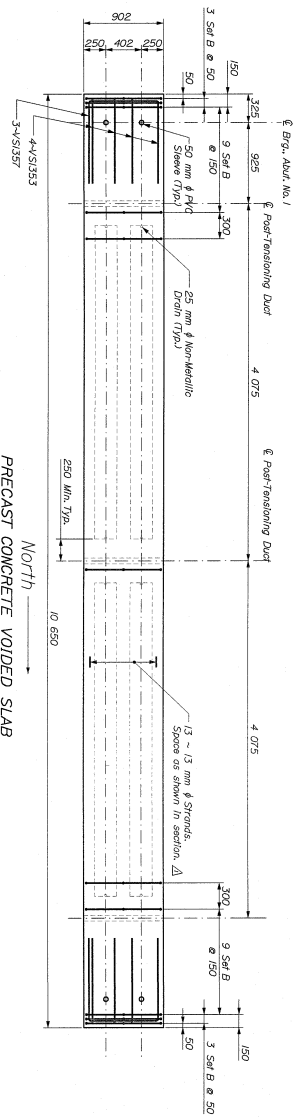
TYPICAL END-SPAN SECTION  
PANEL V4 & V5



TYPICAL SECTION  
PANEL V4 & V5



PRECAST CONCRETE VOIDED SLAB  
PANEL V4 & V5 PLAN



METRIC 1 All dimensions are in millimeters unless otherwise noted.  
2 All elevations and stations are in meters.

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Sheet No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
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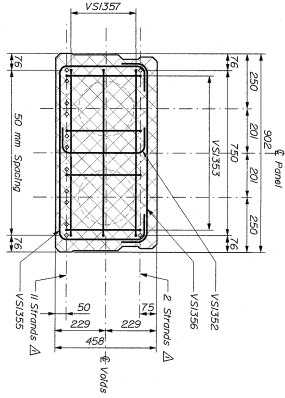
REVISIONS	DATE	BY	DESCRIPTION
1	Rev. Apr. 10, 2004	ASIF	ADDITIONAL

BRIDGE NO. 2217	STATE OF MAINE
DEPARTMENT OF TRANSPORTATION	DAN HILL BRIDGE
OVER	DAN HILL STREAM
IN THE TOWN OF	WHITNEYVILLE
WASHINGTON COUNTY	PRECAST VOIDED SLAB

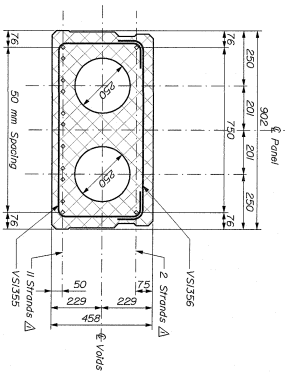
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	Asif Iqbal	
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

TYPICAL END-SPAN SECTION  
PANEL V6 & V7

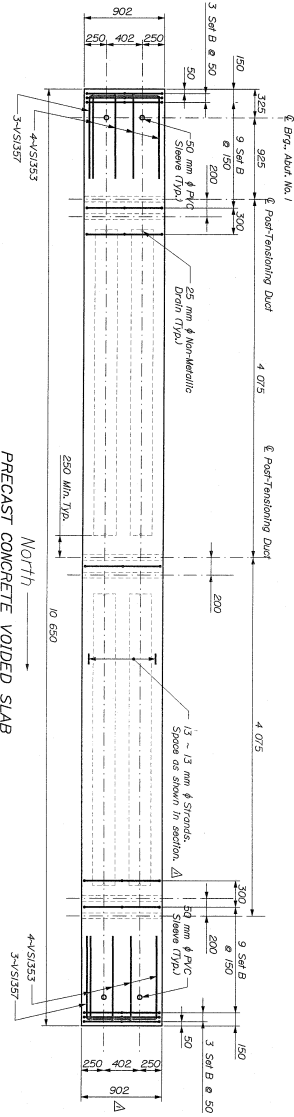


TYPICAL SECTION  
PANEL V6 & V7



SET	DESCRIPTION
A	V/S1357, V/S1356, V/S1355
B	V/S1355, V/S1356, V/S1357

REINFORCING STEEL SETS  
PRECAST CONCRETE VOIDED SLAB  
PANEL V6 & V7 PLAN



METRIC 1. All dimensions are in millimeters unless otherwise noted.  
2. All elevations and stations are in meters.

Sheet No.	Scale	Project No.	Sheet No.
1	1:1	STP-0800001	21

REVISIONS  
Δ Rev. Mar. 10, 2004

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

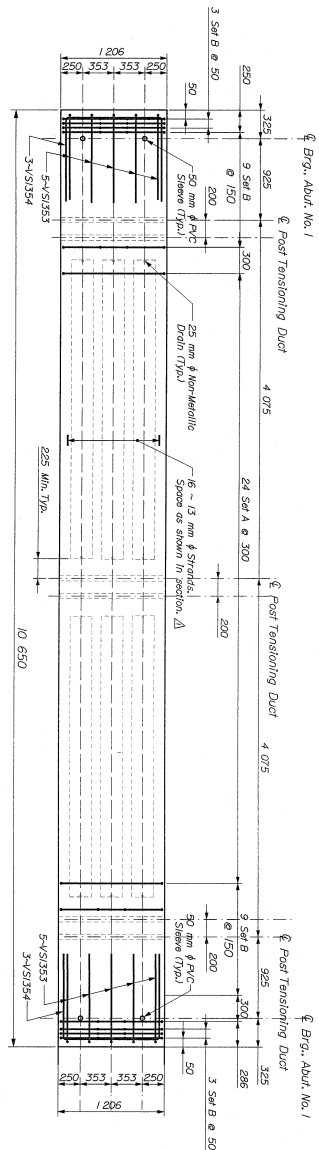
DAN HILL BRIDGE  
OVER  
DAN HILL STREAM  
IN THE TOWN OF  
WHITNEYVILLE  
WASHINGTON COUNTY  
PRECAST VOIDED SLAB

PROJECT DESIGN ENGINEER		BY		DATE
PLANS	DESIGN-DETAILED	Asif Iqbal	Gary Keene	
	CHECKED			
	REVISIONS			
	FIELD CHANGES			



SET	DESCRIPTION
A	1-V-S1350, 1-V-S1351
B	1-V-S1350, 1-V-S1351, 2-V-S1352

PRECAST CONCRETE VOIDED SLAB



METRIC	
1. All dimensions are in millimeters unless otherwise noted	
2. All elevations and stations are in meters.	

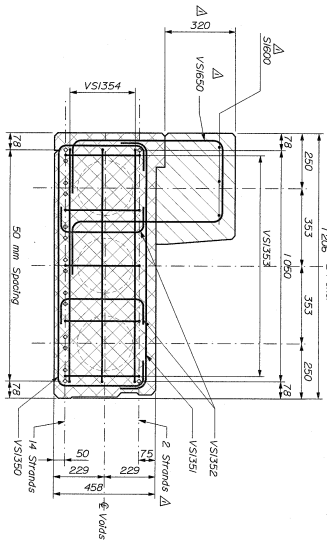
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REVISIONS  
 Rev. Mar. 10, 2000

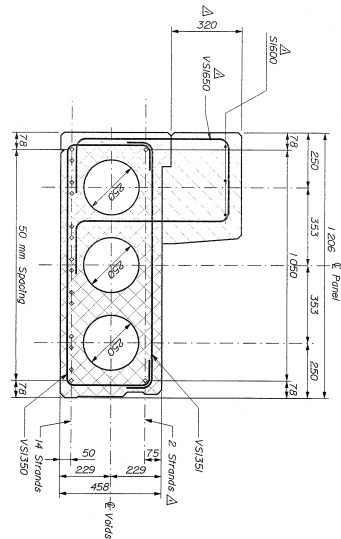
STATE OF MINNE  
DEPARTMENT OF TRANSPORTATION  
DAN HILL BRIDGE  
OVER  
DAN HILL STREAM  
IN THE TOWN OF  
WHITNEYVILLE  
WASHINGTON COUNTY  
PRECAST VOIDED SLAB  
SHEET OF  
ARISTIDEA ALABINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	Asif Igbal	Gray Kene
CHECKED		
REVISIONS		
FIELD CHANGES		

TYPICAL END-SPAN SECTION  
PANEL V9

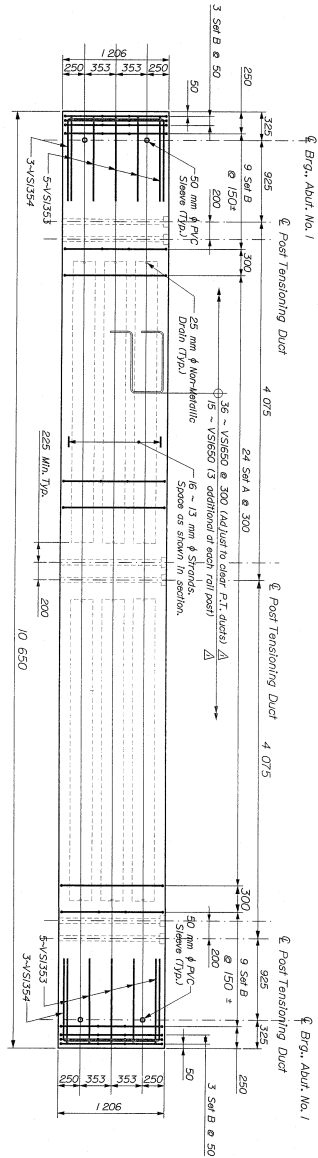


TYPICAL SECTION  
PANEL V9



SET	DESCRIPTION
1	REINFORCING STEEL SETS
2	PRECAST CONCRETE VOIDED SLAB

PRECAST CONCRETE VOIDED SLAB  
PANEL V9 PLAN



METRIC 1 All dimensions are in millimeters unless otherwise noted.  
2 All elevations and stations are in meters.

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REVISIONS
1 Rev. Mar. 10, 2004

BRIDGE NO. 2217  
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
DAN HILL BRIDGE  
OVER  
DAN HILL STREAM  
IN THE TOWN OF  
WHITNEYVILLE  
WASHINGTON COUNTY  
PRECAST VOIDED SLAB  
SHEET 2 OF 3

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	Asif Iqbal	03/10/2004
CHECKED		
REVISIONS		
FIELD CHANGES		

REINFORCING STEEL SCHEDULE

METRIC 1 All dimensions are in millimeters unless otherwise noted.  
2 All elevations and stations are in meters.

TYPE - BENDING DIAGRAMS



Mark	Qty	Length (m)	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Location
Rebar Bars																						
Alignment #1 Footing																						
A	1607	67	3.150	L	1.900	1.250																Footing, Walls and Breastwall
Alignment #1																						
A	1610	87	6.520	V			6.320	1.200														Long, East Side NF
A	1611	87	3.345	V			6.145	1.200														Long, East Side NF
A	1612	87	6.135	V			4.935	1.200														Long, West Side NF
A	1613	87	6.135	V			4.935	1.200														Long, West Side NF
A	1614	22	2.400	V			1.200	1.200														Corner Bar, East & West FF
A	1616	57	1.750	S	0.550	0.650	0.550															Top of Wall
Alignment #2 Footing																						
B	1607	67	3.425	L	1.900	1.250																Footing, Walls and Breastwall
Alignment #2																						
B	1610	11	6.295	V			5.655	0.640	45													Long, East Side FF
B	1611	11	6.110	V			5.470	0.640	45													Long, East Side FF
B	1612	11	5.625	V			4.985	0.640	50													Long, West Side NF
B	1613	11	5.680	V			5.220	0.640	50													Long, West Side NF
B	1616	57	1.750	S	0.550	0.650	0.550															Top of Wall

Mark	Qty	Length (m)	Location
Alignment #1 Footing			
A 1600	10	5.720	Long, Middle-East Side
A 1601	9	4.960	Long, East Wall
A 1602	9	3.460	Long, West Wall
A 1603	10	5.000	Long, Middle-West Side
A 1604	67	1.100	Dowel-Footing to Wall
A 1605	35	2.650	Transverse Middle
A 1606	25	2.350	Trans, East and West Wall
A 1612	78	3.425	Vertical Breastwall E.F.
Alignment #1 East Wing Wall			
A 1620	2	2.800	Vertical EF
A 1621	2	2.885	Vertical EF
A 1622	2	2.970	Vertical EF
A 1623	2	3.055	Vertical EF
A 1624	2	3.140	Vertical EF
A 1625	2	3.225	Vertical EF
A 1626	2	3.310	Vertical EF
A 1627	2	3.395	Vertical EF
A 1628	2	3.480	Vertical EF
A 1629	2	3.565	Vertical EF
A 1630	2	3.650	Vertical EF
A 1631	2	3.735	Vertical EF
A 1632	2	3.820	Vertical EF
A 1633	2	3.905	Vertical EF
A 1634	2	3.990	Vertical EF
A 1635	2	4.075	Vertical EF
A 1636	2	4.160	Vertical EF
A 1637	6	4.215	Vert. 1 FF, 2 NF--E & W CR
A 1638	14	4.510	Horizontal EF
A 1639	2	2.970	Horizontal EF
A 1640	2	1.805	Horizontal EF
A 1641	2	0.535	Horizontal EF
A 1642	2	4.280	Top of Wall, EF
Alignment #1 West Wing Wall			
A 1650	2	2.790	Vertical EF
A 1651	2	2.830	Vertical EF
A 1652	2	3.070	Vertical EF
A 1653	2	3.210	Vertical EF
A 1654	2	3.350	Vertical EF
A 1655	2	3.490	Vertical EF
A 1656	2	3.630	Vertical EF
A 1657	2	3.770	Vertical EF
A 1658	2	3.910	Vertical EF
A 1659	2	4.050	Vertical EF
A 1660	3	4.080	Vertical EF
A 1661	14	3.010	Horizontal EF
A 1662	2	2.315	Horizontal EF
A 1663	2	1.350	Horizontal EF
A 1664	2	0.555	Horizontal EF
A 1665	2	2.870	Top of Wall, EF
Superstructure			
S 1600	6	10.500	Cuts

STRAIGHT BARS			
Mark	Qty	Length (m)	Location
Alignment #2 Footing			
B 1600	20	5.670	Longitudinal Middle
B 1601	10	9.165	Longitudinal West Wall
B 1602	10	9.165	Longitudinal East Wall
B 1603	34	9.165	Transverse Middle
B 1604	46	2.650	Transverse Wings and Corners
B 1613	77	1.100	Dowel to Wall
B 1615	66	3.425	Vertical
Alignment #2 Box Wing Wall			
B 1650	2	0.045	Vertical I.E.F.
B 1651	2	2.795	Vertical I.E.F.
B 1652	2	2.840	Vertical I.E.F.
B 1653	2	2.885	Vertical I.E.F.
B 1654	2	2.930	Vertical I.E.F.
B 1655	2	2.975	Vertical I.E.F.
B 1656	2	3.020	Vertical I.E.F.
B 1657	2	3.065	Vertical I.E.F.
B 1658	2	3.105	Vertical I.E.F.
B 1659	2	3.150	Vertical I.E.F.
B 1660	2	3.195	Vertical I.E.F.
B 1671	3	3.240	Vertical I.F., 2.N.F.
B 1672	2	3.285	Horizontal I.E.F.
B 1673	2	3.325	Horizontal I.E.F.
B 1674	2	3.370	Horizontal I.E.F.
B 1675	2	3.415	Horizontal I.E.F.
B 1676	2	3.460	Horizontal I.E.F.
B 1677	2	3.505	Top of Wall I.E.F.
B 1678	2	3.550	Vertical
B 1679	2	3.595	Vertical
B 1680	2	3.635	Vertical
B 1681	2	3.680	Vertical
B 1682	2	3.725	Vertical
B 1683	2	3.770	Vertical
B 1684	2	3.810	Vertical
B 1685	2	3.855	Vertical
B 1686	2	3.900	Vertical
B 1687	2	3.945	Vertical
B 1688	2	3.990	Vertical
B 1689	2	4.035	Vertical
B 1690	2	4.075	Vertical
B 1691	2	4.120	Vertical
B 1692	2	4.165	Vertical
B 1693	2	4.210	Vertical
B 1694	3	4.255	Vertical I.F., 2.N.F.
B 1695	18	8.305	Transverse Wing Wall I.E.F.
B 1696	2	6.830	Transverse Wing Wall I.E.F.
B 1697	2	4.935	Transverse Wing Wall I.E.F.
B 1698	2	3.235	Transverse Wing Wall I.E.F.
B 1699	2	1.540	Top of Wing Wall I.E.F.
B 1699	2	8.075	Top of Wing Wall I.E.F.
Alignment #2 Box Wing Wall			
B 1690	2	2.810	Vertical I.E.F.
B 1691	2	2.855	Vertical I.E.F.
B 1692	2	2.895	Vertical I.E.F.
B 1693	2	2.940	Vertical I.E.F.
B 1694	2	2.985	Vertical I.E.F.
B 1695	2	3.030	Vertical I.E.F.
B 1696	2	3.075	Vertical I.E.F.
B 1697	2	3.120	Vertical I.E.F.
B 1698	2	3.160	Vertical I.E.F.
B 1699	2	3.205	Vertical I.E.F.
B 1699	2	3.250	Vertical I.E.F.
B 1699	2	3.295	Vertical I.F., 2.N.F.
B 1699	2	3.340	Horizontal I.E.F.
B 1699	2	3.385	Horizontal I.E.F.
B 1699	2	3.430	Horizontal I.E.F.
B 1699	2	3.475	Horizontal I.E.F.
B 1699	2	3.520	Horizontal I.E.F.
B 1699	2	3.565	Horizontal I.E.F.
B 1699	2	3.610	Horizontal I.E.F.
B 1699	2	3.655	Horizontal I.E.F.
B 1699	2	3.700	Horizontal I.E.F.
B 1699	2	3.745	Horizontal I.E.F.
B 1699	2	3.790	Horizontal I.E.F.
B 1699	2	3.835	Horizontal I.E.F.
B 1699	2	3.880	Horizontal I.E.F.
B 1699	2	3.925	Horizontal I.E.F.
B 1699	2	3.970	Horizontal I.E.F.
B 1699	2	4.015	Horizontal I.E.F.
B 1699	2	4.060	Horizontal I.E.F.
B 1699	2	4.105	Horizontal I.E.F.
B 1699	2	4.150	Horizontal I.E.F.
B 1699	2	4.195	Horizontal I.E.F.
B 1699	2	4.240	Horizontal I.E.F.
B 1699	2	4.285	Horizontal I.E.F.
B 1699	2	4.330	Horizontal I.E.F.
B 1699	2	4.375	Horizontal I.E.F.
B 1699	2	4.420	Horizontal I.E.F.
B 1699	2	4.465	Horizontal I.E.F.
B 1699	2	4.510	Horizontal I.E.F.
B 1699	2	4.555	Horizontal I.E.F.
B 1699	2	4.600	Horizontal I.E.F.
B 1699	2	4.645	Horizontal I.E.F.
B 1699	2	4.690	Horizontal I.E.F.
B 1699	2	4.735	Horizontal I.E.F.
B 1699	2	4.780	Horizontal I.E.F.
B 1699	2	4.825	Horizontal I.E.F.
B 1699	2	4.870	Horizontal I.E.F.
B 1699	2	4.915	Horizontal I.E.F.
B 1699	2	4.960	Horizontal I.E.F.
B 1699	2	5.005	Horizontal I.E.F.
B 1699	2	5.050	Horizontal I.E.F.
B 1699	2	5.095	Horizontal I.E.F.
B 1699	2	5.140	Horizontal I.E.F.
B 1699	2	5.185	Horizontal I.E.F.
B 1699	2	5.230	Horizontal I.E.F.
B 1699	2	5.275	Horizontal I.E.F.
B 1699	2	5.320	Horizontal I.E.F.
B 1699	2	5.365	Horizontal I.E.F.
B 1699	2	5.410	Horizontal I.E.F.
B 1699	2	5.455	Horizontal I.E.F.
B 1699	2	5.500	Horizontal I.E.F.
B 1699	2	5.545	Horizontal I.E.F.
B 1699	2	5.590	Horizontal I.E.F.
B 1699	2	5.635	Horizontal I.E.F.
B 1699	2	5.680	Horizontal I.E.F.
B 1699	2	5.725	Horizontal I.E.F.
B 1699	2	5.770	Horizontal I.E.F.
B 1699	2	5.815	Horizontal I.E.F.
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B 1699	2	5.905	Horizontal I.E.F.
B 1699	2	5.950	Horizontal I.E.F.
B 1699	2	5.995	Horizontal I.E.F.
B 1699	2	6.040	Horizontal I.E.F.
B 1699	2	6.085	Horizontal I.E.F.
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B 1699	2	6.265	Horizontal I.E.F.
B 1699	2	6.310	Horizontal I.E.F.
B 1699	2	6.355	Horizontal I.E.F.
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B 1699	2	6.445	Horizontal I.E.F.
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B 1699	2	6.535	Horizontal I.E.F.
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B 1699	2	7.300	Horizontal I.E.F.
B 1699	2	7.345	Horizontal I.E.F.
B 1699	2	7.390	Horizontal I.E.F.
B 1699	2	7.435	Horizontal I.E.F.
B 1699	2	7.480	Horizontal I.E.F.
B 1699	2	7.525	Horizontal I.E.F.
B 1699	2	7.570	Horizontal I.E.F.
B 1699	2	7.615	Horizontal I.E.F.
B 1699	2	7.660	Horizontal I.E.F.
B 1699	2	7.705	Horizontal I.E.F.
B 1699	2	7.750	Horizontal I.E.F.
B 1699	2	7.795	Horizontal I.E.F.
B 1699	2	7.840	Horizontal I.E.F.
B 1699	2	7.885	Horizontal I.E.F.
B 1699	2	7.930	Horizontal I.E.F.
B 1699	2	7.975	Horizontal I.E.F.
B 1699	2	8.020	Horizontal I.E.F.
B 1699	2	8.065	Horizontal I.E.F.
B 1699	2	8.110	Horizontal I.E.F.
B 1699	2	8.155	Horizontal I.E.F.
B 1699	2	8.200	Horizontal I.E.F.
B 1699	2	8.245	Horizontal I.E.F.
B 1699	2	8.290	Horizontal I.E.F.
B 1699	2	8.335	Horizontal I.E.F.
B 1699	2	8.380	Horizontal I.E.F.
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B 1699	2	8.470	Horizontal I.E.F.
B 1699	2	8.515	Horizontal I.E.F.
B 1699	2	8.560	Horizontal I.E.F.
B 1699	2	8.605	Horizontal I.E.F.
B 1699	2	8.650	Horizontal I.E.F.
B 1699	2	8.695	Horizontal I.E.F.
B 1699	2	8.740	Horizontal I.E.F.
B 1699	2	8.785	Horizontal I.E.F.
B 1699	2	8.830	Horizontal I.E.F.
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B 1699	2	8.920	Horizontal I.E.F.
B 1699	2	8.965	Horizontal I.E.F.
B 1699	2	9.010	Horizontal I.E.F.
B 1699	2	9.055	Horizontal I.E.F.
B 1699	2	9.100	Horizontal I.E.F.
B 1699	2	9.145	Horizontal I.E.F.
B 1699	2	9.190	Horizontal I.E.F.
B 1699	2	9.235	Horizontal I.E.F.
B 1699	2	9.280	Horizontal I.E.F.
B 1699	2	9.325	Horizontal I.E.F.
B 1699	2	9.370	Horizontal I.E.F.
B 1699	2	9.415	Horizontal I.E.F.
B 1699	2	9.460	Horizontal I.E.F.
B 1699	2	9.505	Horizontal I.E.F.
B 1699	2	9.550	Horizontal I.E.F.
B 1699	2	9.595	Horizontal I.E.F.
B 1699	2	9.640	Horizontal I.E.F.
B 1699	2	9.685	Horizontal I.E.F.
B 1699	2	9.730	Horizontal I.E.F.
B 1699	2	9.775	Horizontal I.E.F.
B 1699	2	9.820	Horizontal I.E.F.
B 1699	2	9.865	Horizontal I.E.F.
B 1699	2	9.910	Horizontal I.E.F.
B 1699	2	9.955	Horizontal I.E.F.
B 1699	2	10.000	Horizontal I.E.F.
B 1699	2	10.045	Horizontal I.E.F.
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B 1699	2	10.135	Horizontal I.E.F.
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B 1699	2	10.360	Horizontal I.E.F.
B 1699	2	10.405	Horizontal I.E.F.
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B 1699	2	10.585	Horizontal I.E.F.
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B 1699	2	10.765	Horizontal I.E.F.
B 1699	2	10.810	Horizontal I.E.F.
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B 1699	2	11.530	Horizontal I.E.F.
B 1699	2	11.575	Horizontal I.E.F.
B 1699	2	11.620	Horizontal I.E.F.
B 1699	2	11.665	Horizontal I.E.F.
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B 1699	2	11.800	Horizontal I.E.F.
B 1699	2	11.845	Horizontal I.E.F.
B 1699	2	11.890	Horizontal I.E.F.
B 1699	2	11.935	Horizontal I.E.F.
B 1699	2	11.980	Horizontal I.E.F.
B 1699	2	12.025	Horizontal I.E.F.
B 1699	2	12.070	Horizontal I.E.F.
B 1699	2	12.115	Horizontal I.E.F.
B 1699	2	12.160	Horizontal I.E.F.
B 1699	2	12.205	Horizontal I.E.F.
B 1699	2	12.250	Horizontal I.E.F.
B 1699	2	12.295	Horizontal I.E.F.
B 1699	2	12.340	Horizontal I.E.F.
B 1699	2	12.385	Horizontal I.E.F.
B 1699	2	12.430	Horizontal I.E.F.
B 1699	2	12.475	Horizontal I.E.F.
B 1699	2	12.520	Horizontal I.E.F.
B 1699	2	12.565	Horizontal I.E.F.
B 1699	2	12.610	Horizontal I.E.F.
B 1699	2	12.655	Horizontal I.E.F.
B 1699	2	12.700	Horizontal I.E.F.
B 1699	2	12.745	Horizontal I.E.F.
B 1699	2	12.790	Horizontal I.E.F.
B 1699	2	12.835	Horizontal I.E.F.
B 1699	2	12.880	Horizontal I.E.F.
B 1699	2	12.925	Horizontal I.E.F.
B 1699	2	12.970	Horizontal I.E.F.
B 1699	2	13.015	Horizontal I.E.F.
B 1699	2	13.060	Horizontal I.E.F.
B 1699	2	13.105	Horizontal I.E.F.
B 1699	2	13.150	Horizontal I.E.F.
B 1699	2	13.195	Horizontal I.E.F.
B 1699	2	13.240	Horizontal I.E.F.
B 1699	2	13.285	Horizontal I.E.F.
B 1699	2	13.330	Horizontal I.E.F.
B 1699	2	13.375	Horizontal I.E.F.
B 1699	2	13.420	Horizontal I.E.F.
B 1699	2	13.465	Horizontal I.E.F.
B 1699	2	13.510	Horizontal I.E.F.
B 1699	2	13.555	Horizontal I.E.F.
B 1699	2	13.600	Horizontal I.E.F.
B 1699	2	13.645	Horizontal I.E.F.
B 1699	2	13.690	Horizontal I.E.F.
B 1699	2	13.735	Horizontal I.E.F.
B 1699	2	13.780	Horizontal I.E.F.
B 1699	2	13.825	Horizontal I.E.F.
B 1699	2	13.870	Horizontal I.E.F.
B 1699	2	13.915	Horizontal I.E.F.
B 1699	2	13.960	Horizontal I.E.F.
B 1699	2	14.005	Horizontal I.E.F.
B 1699	2	14.050	Horizontal I.E.F.
B 1699	2	14.095	Horizontal I.E.F.
B 1699	2	14.140	Horizontal I.E.F.
B 1699	2	14.185	Horizontal I.E.F.
B 1699	2	14.230	Horizontal I.E.F.
B 1699	2	14.275	Horizontal I.E.F.
B 1699	2	14.320	Horizontal I.E.F.
B 1699	2	14.365	Horizontal I.E.F.
B 1699	2	14.410	Horizontal I.E.F.
B 1699	2	14.455	Horizontal I.E.F.
B 1699	2	14.500	Horizontal I.E.F.
B 1699	2	14.545	Horizontal I.E.F.
B 1699	2	14.590	Horizontal I.E.F.
B 1699	2	14.635	Horizontal I.E.F.
B 1699	2		